

SCOPE OF DEMAND

1. In a regenerator which contains regenerator material in internal path for refrigerant and in which heat is exchanged between the refrigerant and regenerator material;

a regenerator characterized in that said regenerator material is any one of Sn, alloy of Bi-Sn and alloy of Ag-Sn.

2. Regenerator according to claim 1 in which said regenerator material is Bi-Sn and content ratio of Bi to Sn in said Bi-Sn is larger than 0% and smaller than 50 %.

3. Regenerator according to claim 1 in which said regenerator material is Ag-Sn and content ratio of Ag to Sn in said Ag-Sn is larger than 0% and smaller than 50 %.

4. Regenerator according to claims 1 to 3 in which said regenerator material has plural shapes of spheres and they are packed in said internal path.

5. Cryogenics pump provided with a regenerator according to claims 1 to 4.